



18 CROSBY DRIVE  
BEDFORD, MASSACHUSETTS 01730  
617-275-2970



SEMS DocID 638176

C-583-7-9-57  
July 12, 1989

**Final Preliminary Assessment Review  
Koppers Company Portland Plant  
Portland, Maine**

**TDD No. F1-8812-15  
Reference No. \$375ME50PAR  
CERCLIS No. MED980521744**

## **INTRODUCTION**

The NUS Corporation Field Investigation Team (NUS/FIT) was requested by the Waste Management Division of the Region I U.S. Environmental Protection Agency (EPA) to perform a Preliminary Assessment Review (PAR) of the Koppers Company Portland Plant in Portland, Maine. The PAR was completed under Technical Directive Document (TDD) Number F1-8812-15, issued on December 28, 1988.

This PAR complies with the requirements set forth under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended. It does not necessarily fulfill the requirements of other EPA regulations such as those under the Resource Conservation and Recovery Act (RCRA). The PAR is not intended to be a definitive study of the site, and therefore it is not suitable for use in planning site remediation or undertaking enforcement action against potentially responsible parties. The Preliminary Assessment represents the first step of the site screening process set forth by the National Contingency Plan (NCP).

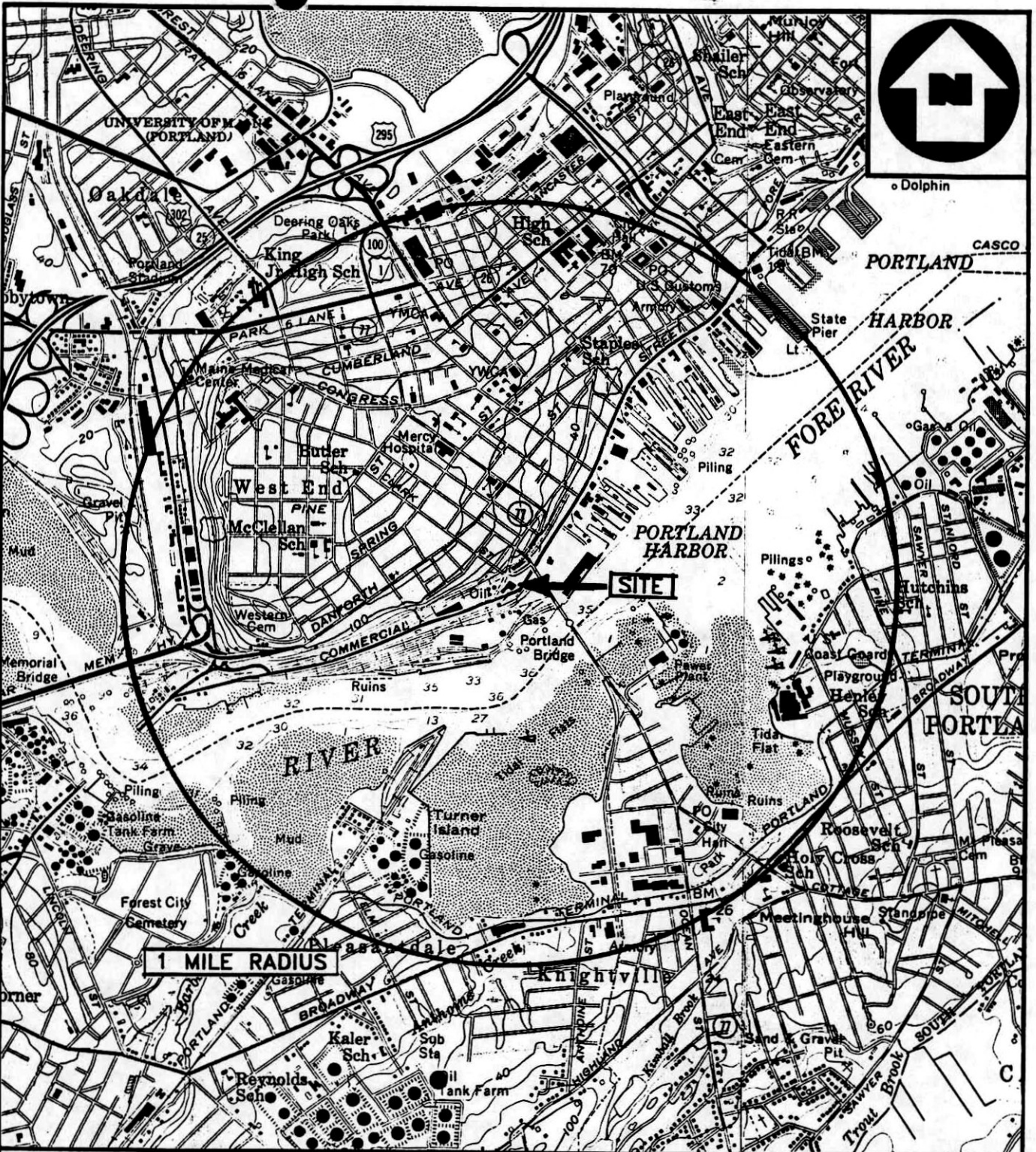
This PAR was completed at the request of the EPA. A Preliminary Assessment of this site was completed in 1983 by NUS/FIT, recommending no further action to be taken on this property (Deluca, R.J., 1983b). This report has been reviewed by the EPA and Maine Department of Environmental Protection (ME DEP).

## **PROPERTY DESCRIPTION AND HISTORY**

The property is currently owned by J.B. Brown and Sons Company and is located on 29-37 West Commercial Street in Portland, Maine (Figure 1). J. B. Brown and Sons Company purchased the property in 1973 from Koppers Company and is currently renting it to the Graybar Electric and Portland Rubber Companies, distributors of electric and rubber products respectively (Milikovsky, A., 1989c).

The property was used for coal gasification between 1923 and 1930 by the Portland Gas and Light Company (Milikovsky, A., 1989a), for storage and possible production of seal coating and coal road tar by Koppers Company between 1930 and 1966, and was inactive between 1966 and 1973 (ME DEP, No date; Deluca, R.J., 1983a). It is not known how this property was used prior to 1923.

The property occupies 64,234 square feet bounded by Clark Street to the northeast, Summer Street to the north and west, Beach Street to the southeast and West Commercial Street to the south. The surrounding area is characterized by industrial, commercial and residential properties. The onsite building is a long one-story structure. The areas on the south, west and east sides of the building are paved; part of the paved area is used as a parking lot. Access to the facility is unrestricted (Figure 2; Jackson, S., 1989).

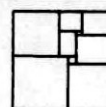


BASE MAP IS A PORTION OF THE FOLLOWING 7.5' U.S.G.S. QUADRANGLE(S):  
 PORTLAND EAST, MAINE, 1956; PORTLAND WEST, MAINE, 1956



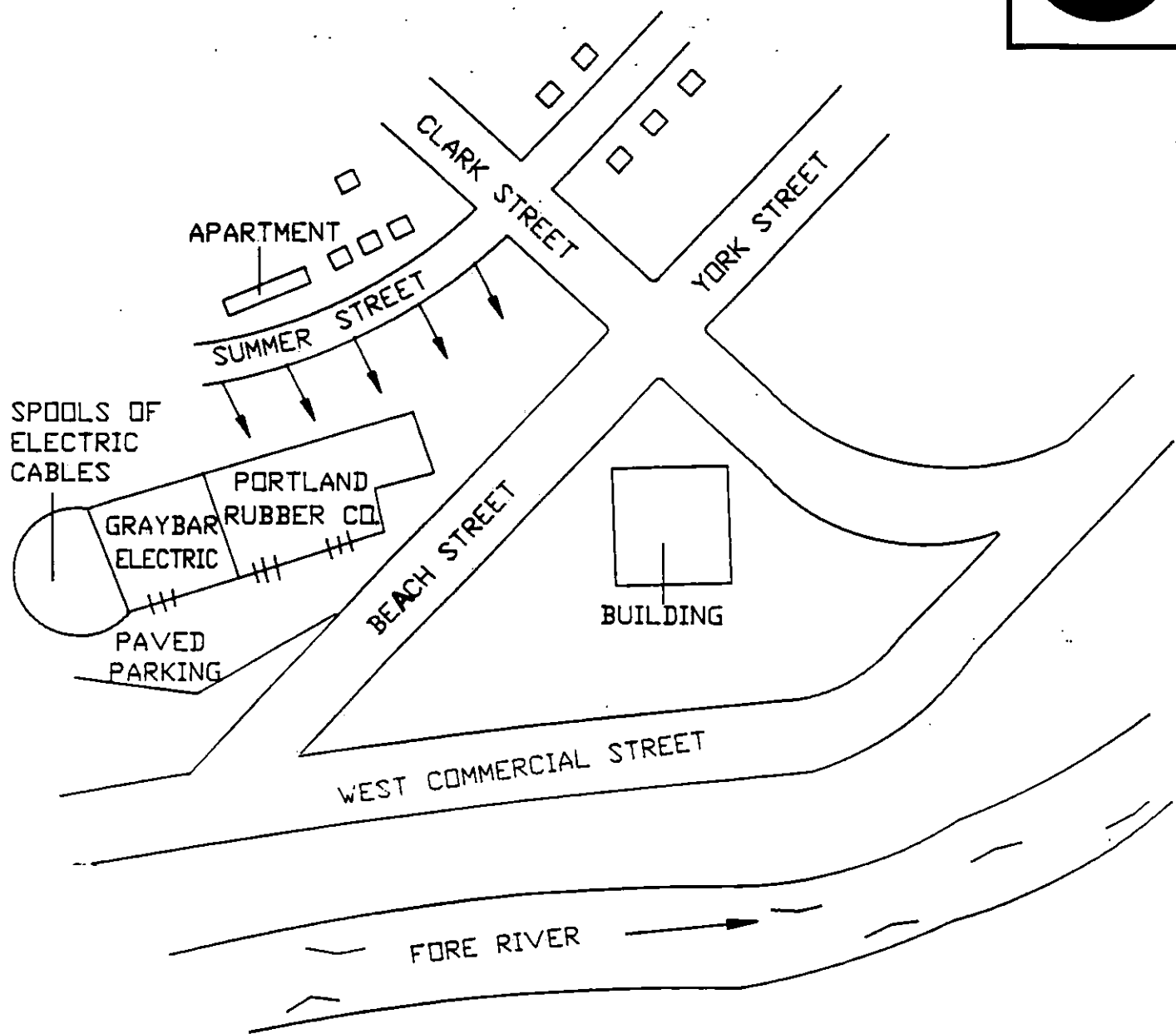
#### LOCATION MAP

KOPPERS COMPANY PORTLAND PLANT  
 PORTLAND, MAINE



**NUS**  
 CORPORATION

FIGURE 1



NOT TO SCALE

SITE SKETCH

KOPPERS COMPANY PORTLAND PLANT  
PORTLAND, MAINE

LEGEND

- > STEEP DOWNSLOPE
- BUILDING
- +++ DELIVERY DOORS



**NUS**  
CORPORATION

FIGURE 2

Portland Gas and Light Company, now Northern Utilities, operated on the premises for seven years (1923-1930) conducting coal gasification (Milikovsky, A., 1989a). Koppers Company occupied the premises for forty three years (1930-1973) storing road sealing tar (1930-1966), and having storage tanks and a pump house on the property. The plant was not in operation for seven years (1966-1973) (Deluca, R.J., 1983a; 1983b). It is unknown whether any actual production of coal tar was done by Koppers Company on the premises (Milikovsky, A., 1989b). Information concerning waste generation and disposal on the property between 1923 and 1973, are not known to NUS/FIT. J.B. Brown and Sons, a real estate company, purchased the property in 1973; the storage tanks were removed by that time (Milikovsky, A., 1989c).

The most prevalent form of gas manufacturing from coal on the East Coast was by reacting coal or coke with steam to yield a gas rich in hydrogen and carbon monoxide, sometimes adding petroleum oils to the hot gas. Another method is carbonization (coking) of coal to produce gas which is centrally dispatched to the costumers. The major wastes from these processes are:

- \* residual tars
- \* slags
- \* tar liquors and ammonia liquors
- \* spent iron oxide containing sulfur, ammonia and cyanide
- \* ash containing heavy metals
- \* clinkers
- \* dust
- \* off-grade coal

Coal tar can be refined into a variety of useful products, including road tar. The primary processing operation to obtain road tar is distillation. Coal tars are comprised primarily of:

- \* hundreds of polynuclear aromatic hydrocarbons which have low volatility and solubility, high adsorption tendency and moderate biodegradability
- \* minor amounts of phenolics which have a slight tendency for volatilization and adsorption, and are readily biodegradable
- \* light aromatic compounds with moderate solubility and volatility, and a slight tendency for adsorption and biodegradation.

The inorganic contaminants can be leached out of the waste body; the environmental fate will depend largely on soil and water interactions (ERT, 1984).

No information was found on the actual processes or waste disposal practices on the property. However, possible contamination of soil and water is a concern; the tars have the ability to migrate through the soil into groundwater, since they are denser than water (ERT, 1984).

The towns within a 4 mile radius of the property are Portland, South Portland, and Cape Elizabeth (USGS, 1970; USGS, 1978). 95-99% of the water is currently supplied to these towns by the Portland Water District. The water is drawn from Sebago Lake located northwest of Portland, not in the direction of potential surface water drainage from the site. The remaining 1-5% comes from private wells, the locations of which are unknown (Mattuck, R., 1987a; 1987b; 1987c; 1987d). The Fore River, which is essentially an extension of Portland Harbor, is approximately 1,100 feet south and down-gradient of the property and used for recreational activities (Mattack, R., 1987d).

## CONCLUSION

Portland Gas and Light Company was producing gas from coal between 1923 to 1930. Koppers Company Portland Plant was storing and possibly producing coal road tar, and seal coating between 1930 to 1966.

As there are no records of soil testing around the property documenting environmental releases or waste deposits during the time of the operations, and due to the proximity of the surface water to the site and the nature of the wastes, NUS/FIT recommends that a Screening Site Inspection be conducted at a medium priority.

Submitted By:

Alla Milikovsky

Alla Milikovsky  
Project Manager

Approval: Barbara Felitti

Barbara Felitti  
Acting FIT Office Manager

AM:mah

## REFERENCES

Deluca,R.J.(NUS/FIT). 1983a. Telecon with C.B.Brush (Manager of Environmental Planning, Koppers Co.), RE: Activities at the site 1923-1973. January 11.

Deluca, R.J.(NUS/FIT). 1983b. "Preliminary Assessment of the Koppers Company, Inc., Portland, Maine." TDD No.F1-8211-16.

ERT; 1984. "Handbook on Manufacturing Gas Plant Sites". Project No.P-D215. Sept.

Jackson,S.(NUS/FIT). 1989. Project Notes, Perimeter Survey. Koppers Company Portland Plant. TDD No.F1-8812-15, January 5.

Mattuck,R.(NUS/FIT). 1987a. Telecon with S.Brennan, Portland Water District, Maine, RE: source of water and service area. "Portland Gas Works." TDD #F1-8612-17, January 7.

Mattuck,R.(NUS/FIT). 1987b. Telecon with D.Wyman, Portland Water District, Maine, RE: water distribution from Sebago Lake. "Portland Gas Works." TDD #F1-8612-17, 1987

Mattuck,R.(NUS/FIT). 1987c. Telecon with B.Welch, ME DEP, Maine, RE: surface water intakes on Fore River. 4/8/87. "Portland Gas Works." TDD #F1-8612-17, April 4.

Mattuck,R.(NUS/FIT). 1987d. Telecon with J.Daye, DEP South Portland, Maine, RE: the use of Fore River and Portland Harbor. January 7. "Portland Gas Works." TDD #F1-8612-17.

ME DEP. No Date EPA. Notification of Hazardous Waste Site Activity.

Milikovsky,A.(NUS/FIT). 1989a. Telecon with G.Flerity (Director of Public Works Department city of Portland, Maine), RE: activities on the site 1923-1930. February 7.

Milikovsky,A.(NUS/FIT). 1989b. Telecon with Mr.Riskin, Public Roads Departments, Portland, Maine, RE: activities on site 1930-1973. February 7.

Milikovsky,A.(NUS/FIT). 1989c. Telecon with K.Scribner, J.B.Brown and Sons Company, Portland, Maine, RE: property use 1973-present. February 7.

USGS. 1970. Portland East Quadrangle, Maine. US Geological Survey, 7.5' Series (Topographic). 1956, photorevised 1970.

USGS. 1970. Cape Elizabeth Quadrangle, Maine. US Geological Survey, 7.5' Series (Topographic). 1957, photorevised 1970.

USGS. 1978. Portland West Quadrangle, Maine. US Geological Survey, 7.5' Series (Topographic). 1956, photorevised 1978.

USGS. 1978. Prouts Neck Quadrangle, Maine. US Geological Survey, 7.5' Series (Topographic). 1957, photorevised 1978.



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE  
ME

02 SITE NUMBER  
D980521799

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

Koppers Company Portland Plant

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

29-37 West Commercial Street

03 CITY

Portland

04 STATE

ME

05 ZIP CODE

04101

06 COUNTY

Cumberland

07 COUNTY  
CODE

005

08 CONG  
DIST

09 COORDINATES

LATITUDE

43° 40' 30" N

LONGITUDE

70° 17' 30" W

10 DIRECTIONS TO SITE (Starting from nearest public road)

95 North to 295 E., go over the Veterans Memorial Bridge to Commercial Street. Take a right on Commercial Street.

III. RESPONSIBLE PARTIES

01 OWNER (If known)

J. B. Brown & Sons Co.

02 STREET (Business, mailing, residential)

482 Congress (Street Real Estate Co.)

03 CITY

Portland

04 STATE

ME

05 ZIP CODE

04101

06 TELEPHONE NUMBER

(207) 774-5908

07 OPERATOR (If known and different from owner)

Portland Gas & Light Koppers Company (Previous)

08 STREET (Business, mailing, residential)

29-37 West Commercial Street

09 CITY

Portland

10 STATE

ME

11 ZIP CODE

04101

12 TELEPHONE NUMBER

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE:

☐ B. FEDERAL:

☐ C. STATE:

☐ D. COUNTY:

☐ E. MUNICIPAL:

☐ F. OTHER:

(Agency name)

☐ G. UNKNOWN

(Specify)

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED:

☒ B. UNCONTROLLED WASTE SITE (CERCLA 103c) DATE RECEIVED: 7/1/81

☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

BY (Check all that apply)

☐ YES

☐ A. EPA

☐ B. EPA CONTRACTOR

☐ C. STATE

☐ D. OTHER CONTRACTOR

☒ NO

DATE:

☐ E. LOCAL HEALTH OFFICIAL

☐ F. OTHER:

CONTRACTOR NAME(S):

(Specify)

02 SITE STATUS (Check one)

☐ A. ACTIVE

☒ B. INACTIVE

☐ C. UNKNOWN

03 YEARS OF OPERATION

1923

1973

BEGINNING YEAR

ENDING YEAR

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Potential onsite waste may include coal tar, polynuclear aromatics hydrocarbons, light aromatics, phenolics, cyanides, sulfur, metals.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

There is a possibility of soil and water contamination. The Fore River is about 1,100 feet downgradient of this property.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH (Inspection required promptly)

☒ B. MEDIUM (Inspection required promptly)

☐ C. LOW (Inspect on time available basis)

☐ D. NONE (No further action needed, complete disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT: H. Aho

02 OF (Agency/Organization): ME DEP

03 TELEPHONE NUMBER: (207) 289-2651

04 PERSON RESPONSIBLE FOR ASSESSMENT Alla Milikovsky

05 AGENCY NUS 06 ORGANIZATION: FIT 07 TELEPHONE NO. (617) 275-2970 08 DATE: 7/14/89

Site Name: *Koppers Company Portland Plant*  
CERCLIS No.: *ME D980021744*  
TDD No.: *E1-8812-15*  
Reference No.: *\$375MESOPAR*

### NPL ELIGIBILITY CHECKLIST

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
Are the wastes onsite considered hazardous, as defined in CERCLA?	<u>X</u>	<u>---</u>	<u>-----</u>
<b>*Sites covered by other authorities:</b>			
Are the hazardous materials at the site solely petroleum products (gasoline, oil, natural gas)?	<u>---</u>	<u>X</u>	<u>-----</u>
Is the contamination at the site caused solely by pesticides that were applied using an accepted practice?	<u>---</u>	<u>X</u>	<u>-----</u>
If the release is into public or private drinking water systems, is it due to deterioration of the system through ordinary use?	<u>---</u>	<u>X</u>	<u>-----</u>
Is the release from products which are part of the structure, and result in exposure within residential, business, or community structures?	<u>---</u>	<u>X</u>	<u>-----</u>
Did the release result in exposure to people solely within a work place?	<u>---</u>	<u>X</u>	<u>-----</u>
Does the facility have an Underground Injection Control permit under the Safe Drinking Water Act?	<u>---</u>	<u>X</u>	<u>-----</u>
Is the release the result of the normal application of fertilizer?	<u>---</u>	<u>X</u>	<u>-----</u>
Does the release involve naturally occurring substances in their unaltered form?	<u>---</u>	<u>X</u>	<u>-----</u>
Does the contamination at the site consist solely of radioactive materials generated by Department of Energy/Atomic Energy Commission activities?	<u>---</u>	<u>X</u>	<u>-----</u>
Is the contamination at the site caused solely by coal mining operations?	<u>---</u>	<u>X</u>	<u>-----</u>
Does the facility have a permit from EPA or the U.S. Army Corps of Engineers (under the Marine Protection, Research, and Sanctuaries Act) to dispose of dredged materials in ocean waters?	<u>---</u>	<u>X</u>	<u>-----</u>

Site Name: Koppers Company Portland Plant  
CERCLIS No.: ME 0480521-4  
TDD No.: F1-8812-15  
Reference No.: 375ME50PA2

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
<b>*Other issues of site definition:</b>			
Is the site defined solely as a contaminated well field?	<del>---</del>	X	-----
Is the site currently owned or operated by a federal agency, or has it been in the past?	---	X	-----
Is the site a municipal landfill?	---	X	-----
-- Check if there is documentation of industrial waste disposed of.	---		
Does the waste consist of a "special waste" such as fly ash?	---	X	-----
-- Check if there is documentation of a hazardous component to the waste.	---		
Does the facility have an NPDES permit?	---	X	-----
Check if the facility has a history of permit violations.	---		
Is the facility subject to ambient air quality standards under the Clean Air Act?	---	X	-----
Does the facility have a permit under the Clean Air Act?	---	X	-----
<b>*RCRA status</b>			
Has the facility notified as a RCRA generator?	---	X	-----
Has the facility ever had RCRA interim status or a RCRA permit?	---	X	-----
If yes, check any that apply:			
-- The facility is a small quantity generator.	---		
-- The facility is a "non-notifier" or "protective filer" (identified as such by EPA or the state).	---		

Site Name: Koppers Company Port  
CERCLIS No.: MEPA805217  
IDD No.: FI-881275  
Reference No.: \$375 ME50PAR

**\*RCRA status (continued)**

- The owner of the facility is bankrupt,  
or the owner has filed for protection  
under bankruptcy laws (if known). ---
- A RCRA compliance order or notice  
of violation has been issued for the  
facility at some time. ---  
  
The order or notice concerned:
  - conditions that posed a hazard (i.e.  
a release of contamination to the  
environment) OR ---
  - administrative violations (i.e.  
recordkeeping or financial  
requirements). ---
- Some RCRA enforcement action is  
currently pending at the facility. ---
- A RCRA permit has been denied or  
interim status has been revoked  
for the facility. ---  
  
The permit or interim status  
was revoked:
  - because of conditions at the facility  
that posed a hazard OR ---
  - because the facility failed to meet an  
administrative requirement (i.e.,  
failed to file an acceptable  
Part B permit application). ---
- A closure plan has been requested or  
submitted for the facility  
under RCRA. ---
- A closure plan has been approved for  
the facility under RCRA. ---
- The facility is closed and currently  
monitoring under RCRA regulations. ---

## CERCLIS DATABASE FORM

DATE: 7/7/89SITE NAME: Koppers Company Portland PlantCERCLIS No. HE D 980521747TDD No. F1-8812-15PROJECT MANAGER: Allo mlikoskyDIRECTIONS TO SITE: 95 North to 295 East, go over Veterans Memorial Bridge onto Commercial Street, right.

ELEMENT	CERCLIS CODE (No. of positions)	DESCRIPTION	ENTRY
<b>I. FOR ALL PROJECTS</b>			
State	C2(2)	Postal code	<u>HE</u>
Site ID (If available)	C101(12)	Dun & Bradstreet or GSA	
Site Name	C104(40)		<u>Koppers Company Portland Plant</u>
Street Address	C110(25)		<u>29-37 West Commercial Street</u>
City	C111(25)		<u>Portland</u>
County	*TBD		<u>Clatsop</u>
Ownership	C136(2)	FF = Federally owned ST = State owned CO = County owned DI = District owned IL = Indian lands MI = Mixed ownership UN = Unknown *TBD1 = Municipally owned *TBD2 = Privately owned OH = Other	<u>TBD2 - Private</u>
Years of operation	*TBD	<u>1923 to 1966</u>	<u>43 years</u>
FMS Number (if assigned)	C315(4)		
Coordinates	*TBD	Latitude	<u>43°40'30"N</u>
		Longitude	<u>70°17'20"W</u>

ELEMENT CERCLIS CODE  
(No. of positions)

DESCRIPTION

ENTRY

Recommendation C2103(1)  
of Most Recent  
Project at Site

For PAs:

H = High = SSI Required  
M = Med. = SSI Recommended  
N = NFRAP = No Further Remedial Action  
Planned

For SSIs:

R = Recommended for an LSI  
D = Deferred to another authority  
N = NFRAP = No Further Remedial  
Action Planned

For LSIs:

G = Recommended for an HRS Scoring  
N = NFRAP = No Further Remedial  
Action Planned

M

Note

C2105(20)

Abbreviated Comments

\_\_\_\_\_

\_\_\_\_\_

Reasons for  
Ineligibility (for  
Sites Determined  
Ineligible under  
CERCLA)

\*TBD

\*TBD1 = Petroleum contamination only  
\*TBD2 = Active RCRA facility  
\*TBD3 = Properly applied pesticide  
\*TBD4 = Nuclear/radioactive waste  
\*TBD5 = All other reasons

Agency Responsible  
for Work at Site

C2117(2)

F = EPA, Fund financed  
S = State, Fund financed  
SN = State, no Fund financing  
FF = Federal facility  
\*TBD = Responsible Party

F

ELEMENT	CERCLIS CODE (No. of positions)	DESCRIPTION	ENTRY
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II. ONLY FOR SITE WITH HRS

Type of  
Facility of  
Source

C137(1)

B = Chemical Plant  
C = City Contamination  
L = Landfill  
M = Manufacturing Plant  
N = Military Facility  
F = Other Federal Facility  
T = mines/tailings  
P = Lagoons  
A = Abandoned/Midnight dumping

If unknown,  
Type of Waste  
Present

R = Radioactive Waste  
J = Inorganic Waste  
\*TBD = Organic Waste  
I = Other Industrial Waste  
D = Dioxin

If unknown,  
Type of Receptor  
Affected

V = Waterways/river  
H = Housing Area  
W = Drinking Water Wells  
\*TBD = Ecological Receptors  
O = Other

Abstract

C201(240)

Site Description

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**NUS**  
CORPORATION

19 CROSBY DRIVE  
BEDFORD, MASSACHUSETTS 01730  
(617) 275-2970

INTERNAL CORRESPONDENCE

TO: Rob Palermo, PAGL

DATE: January 21, 1983

FROM: R. J. DeLuca

COPIES: File

SUBJECT: TDD #F1-8211-16, Koppers Co. Inc., Portland, Maine

Koppers Company has been inactive for 17 years. On-site storage tanks once used to store coal tar have been completely dismantled.

At the time of our perimeter survey, there were no signs of contamination. Our only concern with this operation would be any spillage or leakage which may have occurred during transfer of the product.

I recommend that no further action be taken at this facility.

*R. J. DeLuca*

R. J. DeLuca  
Environmental Scientist

RJD/dlg





19 CROSBY DRIVE  
BEDFORD, MASSACHUSETTS 01730  
(617) 275-2970

TRANSMITTAL MEMORANDUM

TO: Don Smith

DATE: January 21, 1983

FROM: Rob Palermo

COPIES: File

SUBJECT: TDD #F1-8211-16, Koppers Co. Inc., Portland, Maine

Please find enclosed three completed copies of EPA Form 2070-2, NUS-FIT Trip Report, and National Priorities Checklist of Data Requirements.

This package was prepared in response to Technical Directive Document Number F1-8211-16 and constitutes completion of a preliminary assessment of the subject facility.

A handwritten signature in cursive script that reads "Robert S. Palermo".

Robert S. Palermo  
Preliminary Assessment Group Leader

RSP/dlg





POTENTIAL HAZARDOUS WASTE SITE  
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION SITE NUMBER (to be assigned by Hq)

I MED 980-521-744

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME

KOPPERS CO INC.

B. STREET (or other identifier)

23 BEACH STREET

C. CITY

PORTLAND

D. STATE

ME

E. ZIP CODE

04101

F. COUNTY NAME

CUMBERLAND

G. OWNER/OPERATOR (if known)

1. NAME

C.P. BRUSH

MANAGER OF ENV. PLANNING

2. TELEPHONE NUMBER

(412) 227-2877

H. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE ☐ 6. UNKNOWN

I. SITE DESCRIPTION

Inactive warehouse temporary storage of road tar.

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)

EPA Notification Form

K. DATE IDENTIFIED (mo., day, & yr.)

7/27/81

L. PRINCIPAL STATE CONTACT

1. NAME

Hank Aho, D.E.P. Augusta

2. TELEPHONE NUMBER

(207) 289-2651

II. PRELIMINARY ASSESSMENT (complete this section last)

A. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☒ 4. NONE ☐ 5. UNKNOWN

B. RECOMMENDATION

☒ 1. NO ACTION NEEDED (no hazard)

☐ 2. IMMEDIATE SITE INSPECTION NEEDED  
a. TENTATIVELY SCHEDULED FOR:

b. WILL BE PERFORMED BY:

☐ 3. SITE INSPECTION NEEDED  
a. TENTATIVELY SCHEDULED FOR:

b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED (low priority)

C. PREPARER INFORMATION

1. NAME

R.J DeLuca NUS/FTT

2. TELEPHONE NUMBER

(617) 275-2975

3. DATE (mo., day, & yr.)

Dec. 23, 1982

III. SITE INFORMATION

A. SITE STATUS

☐ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)

☒ 2. INACTIVE (Those sites which no longer receive wastes.)

☐ 3. OTHER (specify):  
(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

☒ 1. NO

☐ 2. YES (specify generator's four-digit SIC Code):

C. AREA OF SITE (in acres)

~ 1 acre

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE (deg., min., sec.)

43° 39' 50"

2. LONGITUDE (deg., min., sec.)

70° 14' 30"

E. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO

☒ 2. YES (specify):

1 warehouse (No storage tanks)

## CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

A. TRANSPORTER		B. STORER		C. TREATER		D. DISPOSER	
<input checked="" type="checkbox"/> 1. RAIL		<input checked="" type="checkbox"/> 1. PILE		<input checked="" type="checkbox"/> 1. FILTRATION		<input checked="" type="checkbox"/> 1. LANDFILL	
<input type="checkbox"/> 2. SHIP		<input type="checkbox"/> 2. SURFACE IMPOUNDMENT		<input type="checkbox"/> 2. INCINERATION		<input type="checkbox"/> 2. LANDFARM	
<input type="checkbox"/> 3. BARGE		<input type="checkbox"/> 3. DRUMS		<input type="checkbox"/> 3. VOLUME REDUCTION		<input type="checkbox"/> 3. OPEN DUMP	
<input type="checkbox"/> 4. TRUCK		<input checked="" type="checkbox"/> 4. TANK, ABOVE GROUND		<input type="checkbox"/> 4. RECYCLING/RECOVERY		<input type="checkbox"/> 4. SURFACE IMPOUNDMENT	
<input type="checkbox"/> 5. PIPELINE		<input type="checkbox"/> 5. TANK, BELOW GROUND		<input type="checkbox"/> 5. CHEM./PHYS. TREATMENT		<input type="checkbox"/> 5. MIDNIGHT DUMPING	
<input type="checkbox"/> 6. OTHER (specify):		<input type="checkbox"/> 6. OTHER (specify):		<input type="checkbox"/> 6. BIOLOGICAL TREATMENT		<input type="checkbox"/> 6. INCINERATION	
				<input type="checkbox"/> 7. WASTE OIL REPROCESSING		<input type="checkbox"/> 7. UNDERGROUND INJECTION	
				<input type="checkbox"/> 8. SOLVENT RECOVERY		<input type="checkbox"/> 8. OTHER (specify):	
				<input type="checkbox"/> 9. OTHER (specify):			

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED The facility operated from 1930 to 1966. Road tar was pumped from RxxR tank cars into above ground storage tanks where it was held until it was dispatched to trucks to use on the roads.

## V. WASTE RELATED INFORMATION

## A. WASTE TYPE

☐ 1. UNKNOWN ☐ 2. LIQUID ☐ 3. SOLID ☒ 4. SLUDGE ☐ 5. GAS

## B. WASTE CHARACTERISTICS

☐ 1. UNKNOWN ☐ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4. RADIOACTIVE ☐ 5. HIGHLY VOLATILE  
☒ 6. TOXIC ☐ 7. REACTIVE ☐ 8. INERT ☒ 9. FLAMMABLE

☐ 10. OTHER (specify):

## C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

Yes - Notification of Hazardous Waste Site Form.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE		b. OIL		c. SOLVENTS		d. CHEMICALS		e. SOLIDS		f. OTHER	
AMOUNT		AMOUNT		AMOUNT		AMOUNT		AMOUNT		AMOUNT	
UNKNOWN											
UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE	
UNKNOWN											
<input checked="" type="checkbox"/> (1) PAINT, PIGMENTS		<input checked="" type="checkbox"/> (1) OILY WASTES		<input checked="" type="checkbox"/> (1) HALOGENATED SOLVENTS		<input checked="" type="checkbox"/> (1) ACIDS		<input checked="" type="checkbox"/> (1) FLYASH		<input checked="" type="checkbox"/> (1) LABORATORY PHARMACEUT.	
(2) METALS SLUDGES		(2) OTHER (specify):		(2) NON-HALOGENATED SOLVENTS		(2) PICKLING LIQUORS		(2) ASBESTOS		(2) HOSPITAL	
(3) POTW				(3) OTHER (specify):		(3) CAUSTICS		(3) MILLING/ MINE TAILINGS		(3) RADIOACTIVE	
(4) ALUMINUM SLUDGE						(4) PESTICIDES		(4) FERROUS SMLTG. WASTES		(4) MUNICIPAL	
<input checked="" type="checkbox"/> (5) OTHER (specify):						(5) DYES/INKS		(5) NON-FERROUS SMLTG. WASTES		(5) OTHER (specify):	
Road (coal)						(6) CYANIDE		(6) OTHER (specify):			
Tar						(7) PHENOLS					
						(8) HALOGENS					
						(9) PCB					
						(10) METALS					
						(11) OTHER (specify):					

## V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

COAL TAR

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.  
 Site has been closed since 1966. Koppers sold the property in February 1973 to JB Brown & Sons of Portland, ME. There are no tanks at this location at the present time.

## VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER	X			Leaks or spills during transfer.
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL	X			Same as above
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS	X			Same as above
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

# VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- ☐ 1. NPDES PERMIT    ☐ 2. SPCC PLAN    ☐ 3. STATE PERMIT (specify): \_\_\_\_\_  
☐ 4. AIR PERMITS    ☐ 5. LOCAL PERMIT    ☐ 6. RCRA TRANSPORTER  
☐ 7. RCRA STORER    ☐ 8. RCRA TREATER    ☐ 9. RCRA DISPOSER  
☐ 10. OTHER (specify): \_\_\_\_\_

B. IN COMPLIANCE?

- ☐ 1. YES    ☐ 2. NO    ☐ 3. UNKNOWN

4. WITH RESPECT TO (list regulation name & number): \_\_\_\_\_

# VIII. PAST REGULATORY ACTIONS

- ☒ A. NONE    ☐ B. YES (summarize below)

# IX. INSPECTION ACTIVITY (past or on-going)

- ☐ A. NONE    ☒ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Perimeter Survey	12/8/82	NUS/FIT	Confirm location and existence of site.

# X. REMEDIAL ACTIVITY (past or on-going)

- ☒ A. NONE    ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.

# NATIONAL PRIORITIES LIST CHECKLIST OF DATA REQUIREMENTS

Site Name: KOPPERS CO INC.

Notes: PORTLAND PLANT 23 BEACH STREET.

Site has been inactive since 1966; storage tanks have  
been removed.

## DATA ELEMENT/PATHWAY

Available

Not  
Appropriate

### Ground and Surface Water and Air

1. Waste physical state
2. Persistence
3. Toxicity
4. Quantity

NO

NO

NO

### Ground Water

1. Monitoring data OR
  - 1a. Depth of aquifer
  - 1b. Net precipitation
  - 1c. Permeability
2. Ground water use
3. Distance to nearest down-gradient well
4. Population served by wells within 3 miles

NO

NO

YES

NO

NO

NO

NO

### Surface Water

1. Monitoring data OR
  - 1a. Slope of terrain
  - 1b. Rainfall intensity
  - 1c. Distance to surface water
  - 1d. Flood potential
2. Surface water use
3. Critical habitats
4. Population served

NO

YES

YES

YES

YES

YES

YES

NO

NO

### Air

1. Monitoring data
2. Waste reactivity
3. Incompatibility
4. Toxicity
5. Distance to nearest population
6. Population within 1 mile
7. Critical environments
8. Land use

X

NATIONAL PRIORITIES LIST  
CHECKLIST OF DATA REQUIREMENTS  
Page 2

DATA ELEMENT/PATHWAY

Available

Not  
Appropriate

Fire and Explosion

1. Ignition source
2. Containment
3. Ignitability
4. Reactivity
5. Incompatibility
6. Distance to population
7. Distance to off-site building
8. Distance to sensitive ecosystems
9. Land use
10. Population within 2 miles
11. Buildings within 2 miles

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X

Direct Contact

1. Evidence OR
  - 1a. Accessibility
  - 1b. Containment
2. Toxicity
3. Population within 1 mile
4. Critical habitat
5. Land use

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X

## **NUS/FIT TRIP REPORT**

**SITE:** TDD #F1-8211-16, Koppers Co. Inc.

**LOCATION:** Portland, Maine

**DATE:** December 15, 1982

**SITE VISIT PERFORMED BY:** R. J. DeLuca, Rob Palermo, and Beverly Kille

**COMMENTS:** The following observations were made during the perimeter survey:

1. The site is adjacent to Portland Harbor.
2. There was no visible evidence of waste storage or disposal.

**NOTES:** In a telephone conversation with C. P. Brush of Koppers, it was determined that the facility was a storage and transfer operation. The transfer was from railroad tank cars to storage to trucks. The facility was closed in 1966, and the property was sold in 1973.

### **REFERENCES:**

1. EPA Form 8900-1
2. C. P. Brush, Manager of Environmental Planning, Koppers Co. Inc.